

REMARKS

Claims 1 and 4-9 are pending in this application.

Drawings Objection Issue

The drawings have been objected to under 37 C.F.R. § 1.83(a) for the reasons stated at page 2 of the Office Action. Notably, it is stated in these reasons that, "The examiner would expect the first and second layers to have 2.5, 3.5, 4.5, etc...turns to meet this element of structure since N has to be an integer (whole number) greater than 1 which is then added to .5."

In response to the above-noted statement, reference is made to Figures 3 and 4. Note that these drawings show several layers which satisfy the unintegral turns feature of claim 1, such that 3A corresponds to  $1.5(N = 1)$ , 3B corresponds to  $2.5 (N = 2)$ , 3C corresponds to  $3.5 (N = 3)$ , and 3D corresponds to  $4.5 (N = 4)$ . It is respectfully submitted that these features corresponds to the features recited in claim 1 such that these drawings are completely in compliance with 37 C.F.R. § 1.83(a). Consequently, it is requested that the above-noted objection to the drawings be withdrawn.

Disagree  
3B 1.5  
3C 3.5  
3D 4.5

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page  
16 of  
specification

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Removal of Objections to Specification and Claim 1

The specification has been objected to because of the typographical error at page 2 in line 3. Also, claim 1 has been objected to because of the apparent decimal point at line 14 thereof.

Regarding the typographical error at page 2 of the specification, this error has been corrected such that the correct word --But-- has been inserted. Regarding claim 1, the apparent decimal point has been removed from this claim. Consequently, it is requested that the above-noted objections be withdrawn.

Removal of Issues under 35 U.S.C. § 112

Claims 1 and 4-9 have been rejected under 35 U.S.C. § 112, first paragraph, as it is alleged in the Office Action that none of the drawings show first and second inclined fiber reinforced resinous layers being wound by  $N + .5$  unintegral turns, wherein  $N$  is an integer of more than one as recited in claim 1.

In response to the above-noted rejection, it is submitted that Figures 3 and 4, in conjunction with the description at page 19, line 6 to page 20, line 8 of the specification, clearly describe how to make the golf club shaft having the features recited in claim 1. In this regard, note that the angle " $\alpha$ " is  $+45^\circ$  and  $-45^\circ$  which corresponds to the recitation of this angle in claim 1.

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Further, as noted above, the total number of unintegral turns shown in Figures 3 and 4 for elements 3A-3D is 4.5, such that  $N = 4$ . It is submitted that this is completely consistent with claim 1. Therefore, it is submitted that the above-noted rejection should be withdrawn.

Declaration Objection Issue

The Declaration of Hideaki Kawamatsu submitted pursuant to 37 C.F.R. § 1.132 has been objected to because it appears that Figures 1 and 2 do not correspond to the results shown in Tables 3 and 4 at page 9 of the Declaration. In this regard, it is submitted that indeed there has been a typographical error. Consequently, attached to this Reply is a replacement page, page 9, which shows the correct references for Figure 1 (KPAT-7) and Figure 2 (KPAT-9). Therefore, the drawings and data shown in Tables 3 and 4 are now consistent so as to remove this issue.

Still  
more  
errors  
Page 9

It is submitted for the reasons stated above that all of the outstanding objections have been removed such that the present application should now be placed into condition for allowance.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact the undersigned at the telephone number listed

below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

Pursuant to 37 C.F.R. §§ 1.17 and 1.136(a), Applicant(s) respectfully petition(s) for a three (3) month extension of time for filing a reply in connection with the present application, and the required fee of \$930.00 is attached hereto

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

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Attachment(s): Replacement page 9 of Declaration of Hideaki Kawamatsu Drawings

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The number of plies at respective position of the inclined fiber reinforced resinous layer in the axial direction of the trial shaft are as shown in a table 3 (KPAT-9) and a table 4 (KPAT-7). The section of each position is as shown in Fig. 1 (~~KPAT-9~~) and in Fig. 2 (~~KPAT-7~~) of separate papers. ←

KPAT-7

KPAT-9

### Inclined layer

Table 3 (KPAT9)

front end	[mm]	0	250	500	750	1000
diameter	[mm]	4.6	6.6	8.6	10.6	12.6
Length of ply	[mm]	14.4	20.7	27.0	33.3	39.6
Width of prepreg	[mm]	60.0	60.0	60.0	60.0	60.0
Number of wound plies	[ply]	4.2	2.9	2.2	1.8	1.8

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Table 4 (KPAT7)

front end	[mm]	0	250	500	750	1000
diameter	[mm]	4.6	6.6	8.6	10.6	12.6
Length of ply	[mm]	14.4	20.7	27.0	33.3	39.6
Width of prepreg	[mm]	22.0	31.5	41.0	50.5	60.0
Number of wound plies	[ply]	1.5	1.5	1.5	1.5	1.5

As shown in Fig. 1, in the trial shaft KPAT-9 of the invention of Patent No.5421573, the number of plies of the inclined fiber reinforced resinous layer at positions spaced at 0mm, 250mm, 50mm, 750mm, and 1000mm from the tip are different from one another.

On the other hand, as shown in Fig. 2, in the trial shaft KPAT-7 of the present invention, the number of plies

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